

AN ARRANGEMENT FOR CRANKSHAFT STRAIGHTENING

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ABSTRACT OF THE INVENTION

An arrangement for straightening a bent crankshaft is provided. In a crankshaft manufacturing process, a hardened crankshaft is measured and compared to reference tolerance specifications. If the crankshaft is determined to be out tolerance, data identifying the out of tolerance location and quantity is generated and the crankshaft is selectively induction rehardened in predetermined areas as a function of the measurement data to remedy the out of tolerance condition. The crankshaft is then remeasured and the process repeated until the crankshaft is within the reference tolerance specifications. The results can be logged to facilitate matching of subsequent detected out of tolerance conditions.

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